ICOS Rec'h PCT/PTO U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE **FORM PTO-1390** MODIFIED + 117-560 U.S. APPLICATION NO. (II known, see 37 C.F.R. 1.5) TRANSMITTAL LETTER TO THE UNITED STATES **DESIGNATED/ELECTED OFFICE (DO/EO/US)** unknown **CONCERNING A FILING UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/GB2004/000906 4 March 2003 4 March 2004 TITLE OF INVENTION ANALYSIS OF PRE-CORDIAL THUMPS FOR TREATMENT OF A CARDIAC DYSRHYTHMIA APPLICANT(S) FOR DO/EO/US KOHL et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.  $\boxtimes$ 1. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include  $\boxtimes$ 3. items (5), (6), (9) and (21) indicated below. The U.S. has been elected (Article 31). 4. A copy of the International Application as filed (35 U.S.C. 371(c)(2). is attached hereto (29 pages specification, claims & abstract (54 claims), 9 sheets drawings). a. has been communicated by the International Bureau. b. is not required, as the application was filed in the United States Receiving Office (RO/US). C. An English language translation of the International Application as filed (35 U.S.C. 371(c)(3) 6. pages specification, claims & abstract ( is attached hereto ( claims), sheets drawings, page Certificate of Translation). has been previously submitted under 35 U.S.C. 154(d)(4). b. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3) 7. are attached hereto (required only if not communicated by the International Bureau). a. have been communicated by the International Bureau. b. have not been made; however, the time limit for making such amendments has NOT expired. C. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3). 8. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4). 9. Declaration was submitted to the International Bureau during International Phase (see copies of Declaration ( page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached). An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35) 10. U.S.C. 371(c)(5). Items 11 To 20 below concern document(s) or information included: An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98. 11. An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. 12. '13. a. A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. b. An Application Data Sheet under 37 C.F.R. § 1.76. 14. A substitute specification. 15. A change of power of attorney and/or address letter. 16.

A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.

A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

A second copy of the published international application under 35 U.S.C. 154(d)(4).

Other items or information. International Search Report with PTO/SB/08a

17.

18.

19.

20.

000700

## JC20 Rec'd PCT/PTO 02 SEP 2009

Sasic National Fee   Sasic N	U.S. APPL	ICATION	IS ALL HOUSE	7), see 37	847	INT	PCT/GB2004/		O.	ATTO		Y'S DOCKET N 117-560	UMBER	
Sasic national fee				<del>-</del> ,			10170120017			<u> </u>		*****	<u> </u>	
Search Fee	BAS	IC NATIC	NAL FE	E (37 C	.F.R. 1.4	92(a)(1)-(5):								
Search Fee	21. 🛛	Basic na	ational fe	e	• • • • • • • • • • • • • • • • • • • •	•••••	\$30	00.00 (163	1)/\$150.00	(2631)	\$	300.00		
23. Search Fee	22. 🛛													
Storo (1641)%500 (2642)   S   400,00   S											\$	200.00		
Section   1642/S250 (2642)   \$ 400.00	23. 🛛	23. Search Fee												
Section   1642/ S2500 (2642)   \$ 400.00	\$100 (1641)/\$50 (2641)													
Additional fee for specification and drawings (filed in pase over 100 sheets (excluding sequence listing or computer program isting filed in an electronic medium). This fee is \$290 for each additional 50 sheets of paper or fratation thereory.    Total Sheets	\$400 (1642)/\$200 (2642)													ľ
Additional fac for specification and drewings filed in paper over 100 sheets (cottuding sequence latting or computer program issing filed in an electronic medium). The face is \$250 for each additional 50 sheets of apper or fraction historic historic historic filed in the electronic medium). The face is \$250 for each additional 50 sheets of fraction historic historic historic filed in the paper of the face of											\$	400.00		
Computer program isiting field in an electronic medium). The fee is \$250 for each additional 50 sheels of paper or fraction thereof recombination of the control of the c	TOTAL OF ABOVE CALCULATIONS										\$	900.00		
Total Sheets	computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of													
Surcharge of \$130.00 (1517)/\$55.00 (2617) for furnishing the cath or declaration later than    30 months	Total S	<del></del>			Number	of each addition	onal 50 or		RATE					
Substitution   Subs	, 0.0.				fraction thereof (round <b>up</b> to a whole									
Surcharge of \$130.00 (1617)/\$55.00 (2617) for furnishing the cath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e).  CLAIMS NUMBER FILED #EXTRA RATE Total Claims 31 minus 20 11 X \$50.00 (1615) \$55.00 (2615) \$550.00  Independent Claims 3 minus 3 = 0 X \$200.00 (1614) \$100.00 (2614) \$50.00 (2615) \$550.00 (2615) \$550.00 \$100 (2615) \$	38	-100	0	/50 =	<del></del>		<u> </u>	\$0.00 (1	681)		s			
Surcharge of \$130.00 (1617)/866.00 (2617) for furnishing the oath or declaration later than ⊠ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e).  CLAIMS NUMBER FILED # EXTRA  Total Claims 31 minus 20 11 X \$50.00 (1615)/ \$25.00 (2615) \$ 550.00   Independent Claims 3 minus 3 = 0 X \$200.00 (1614) \$ \$ 50.00 (2614) \$ \$ 0.00   Independent Claims 3 minus 3 = 0 X \$200.00 (1614) \$ \$ 0.00 (2616) \$ 0.00   Independent Claims 3 minus 3 = 0 X \$200.00 (1614) \$ \$ 0.00 (2616) \$ 0.00   Independent Claims 4 minus 3 = 0 X \$200.00 (1614) \$ \$ 0.00   Independent Claims 5 minus 3 = 0 X \$200.00 (1614) \$ 0.00   Independent Claims 5 minus 3 = 0 X \$200.00 (1614) \$ 0.00   Independent Claims 5 minus 4 minus 3 = 0 X \$200.00 (1614) \$ 0.00   Independent Claims 5 minus 4 minus				, 33		, , , , , , , , , , , , , , , , , , ,								Α
Total Claims										30 months				
Total Claims			•				_				\$	130.00		
Independent Claims   3	CL	AIMS	NI	UMBER	FILED	# EXTRA								
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)   \$360.00 (1816) \$180.00 (2816)   \$ 0.00	Total Cla	aims	3	1 m	inus 20	11 X	\$50.00 (1615)/	\$2	25.00 (2615)	)	\$	550.00		
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)   \$360.00 (1816) \$180.00 (2816)   \$ 0.00	Indopon	dont Clair	ms 3	m	= .	0.8	\$200.00 /161/	\ \$1	00 00 (261	4)	•			-
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251);860.00 (2251); Two Month Extensions \$450.00 (1252);8225.00 (2252); Three Month Extensions \$1020.00 (1253/\$510.00 (2253); Four Month Extensions \$1590.00 (1254/\$795.00 (2254)] \$ 0.00    Applicant claims small entity status. See 37 CFR 1.27.  Processing fee of \$130.00 (1618), for furnishing the English Translation later than \$\begin{array}{c} 20 \\ 20										+ +	0.00		-	
(1252)/S225.00 (2252);Three Month Extensions \$1020.00 (1253/\$510.00 (2253); Four Month Extensions \$1590.00 (1254/\$795.00 (2254) \$ 0.00											Ť			
\$1590.00 (1254/\$795.00 (2254) \$ 0.00    Applicant claims small entity status. See 37 CFR 1.27.  Processing fee of \$130.00 (1618), for furnishing the English Translation later than 20 30 0.00    months from the earliest claimed priority date (37 C.F.R. 1.492(f). + 1580.00    Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property + \$ 0.00    Fee for Petition to Revive Unintentionally Abandoned Application;\$1500.00 (1453) / \$750.00 (2453) \$ 0.00    TOTAL FEES ENCLOSED = \$ 1580.00    Amount to be: refunded: \$ Amount t	attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00										1			
□ Applicant claims small entity status. See 37 CFR 1.27.  Processing fee of \$130.00 (1618), for furnishing the English Translation later than □ 20 □ 30 □ 0.00 □ 0														
Processing fee of \$130.00 (1618), for furnishing the English Translation later than											\$	0.00		
months from the earliest claimed priority date (37 C.F.R. 1.492(f). + 0.00  Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property + 0.00  Fee for Petition to Revive Unintentionally Abandoned Application;\$1500.00 (1453) / \$750.00 (2453) \$ 0.00  TOTAL FEES ENCLOSED = \$ 1580.00  Amount to be: refunded: \$ 1580.00  Amount to be: refunded: \$ 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4														-
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property + \$ 0.00    Fee for Petition to Revive Unintentionally Abandoned Application;\$1500.00 (1453) / \$750.00 (2453) \$ 0.00    TOTAL FEES ENCLOSED = \$ 1580.00    Amount to be: refunded: \$    Audiplicate copy of this form is enclosed.  C. A the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.  D. Realth CARD PAYMENT FORM ATTACHED.  The entire content of International Application No. PCT/GB2004/000906 and any U.S. and foreign application(s) corresponding thereto, and GB 0304903.7, referred to in this application is/are hereby incorporated by reference in this application.  NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filled and granted to restore the application to pending status.  CORRESPONDENCE ADDRESS  Direct all correspondence to:  23117  Type Customer Number here  Telephone: (703) 816-4000  ARC;jsm  September 2, 2005												0.00	U)	٠ ا
an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property + \$ 0.00    Fee for Petition to Revive Unintentionally Abandoned Application;\$1500.00 (1453) / \$750.00 (2453) \$ 0.00    TOTAL FEES ENCLOSED = \$ 1580.00    Amount to be refunded: \$    Amount to be Charged: \$    Amo										\$	1580.00			
Fee for Petition to Revive Unintentionally Abandoned Application;\$1500.00 (1453) / \$750.00 (2453) \$ 0.00  TOTAL FEES ENCLOSED = \$ 1580.00  Amount to be: refunded: \$ Amount to														
TOTAL FEES ENCLOSED = \$ 1580.00  Amount to be: refunded: \$   Amount to be: refunded: \$   Amount to be: Charged: \$   Amount to be:									+					
Amount to be: refunded:  a.														
a. A check in the amount of \$1580.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No. 14-1140 in the amount of \$ to cover the above fees.  A duplicate copy of this form is enclosed.  c. A the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.  d. CREDIT CARD PAYMENT FORM ATTACHED.  The entire content of International Application No. PCT/GB2004/000906 and any U.S. and foreign application(s) corresponding thereto, and GB 0304908.7, referred to in this application is/are hereby incorporated by reference in this application.  NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filled and granted to restore the application to pending status.  CORRESPONDENCE ADDRESS  Direct all correspondence to:  23117  Type Customer Number:  23117  Type Customer Number here  Telephone: (703) 816-4000  ARC:jsm  September 2, 2005	TOTAL FEES ENCLOSED =													
a. A check in the amount of \$1580.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No. 14-1140 in the amount of \$ to cover the above fees.  A duplicate copy of this form is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.  d. CREDIT CARD PAYMENT FORM ATTACHED.  e. The entire content of International Application No. PCT/GB2004/000906 and any U.S. and foreign application(s) corresponding thereto, and GB 0304908.7, referred to in this application is/are hereby incorporated by reference in this application.  NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filled and granted to restore the application to pending status.  CORRESPONDENCE ADDRESS  Direct all correspondence to:  Customer Number:  23117  Type Customer Number here  Telephone: (703) 816-4000  ARC.;sm  September 2, 2005										refunded:		\$		
a.														
b. Please charge my Deposit Account No. 14-1140 in the amount of \$ to cover the above fees.  A duplicate copy of this form is enclosed.  C. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.  CREDIT CARD PAYMENT FORM ATTACHED.  The entire content of International Application No. PCT/GB2004/000906 and any U.S. and foreign application(s) corresponding thereto, and GB 0304908.7, referred to in this application is/are hereby incorporated by reference in this application.  NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filled and granted to restore the application to pending status.  CORRESPONDENCE ADDRESS  Direct all correspondence to:  Customer Number:  23117  Type Customer Number here  Telephone: (703) 816-4000  ARC:jsm  Arthur R. Clawford  NAME  25,827  September 2, 2005	<u> </u>	A check	in the am	ount of	\$1580 00 1	o cover the ab	ove fees is enclos	od .			<u>C</u> n	iargeo:	\$	
c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.  d.  CREDIT CARD PAYMENT FORM ATTACHED. e.  The entire content of International Application No. PCT/GB2004/000906 and any U.S. and foreign application(s) corresponding thereto, and GB 0304908.7, referred to in this application is/are hereby incorporated by reference in this application.  NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filled and granted to restore the application to pending status.  CORRESPONDENCE ADDRESS  Direct all correspondence to:														
overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.  d.   CREDIT CARD PAYMENT FORM ATTACHED. e.   The entire content of International Application No. PCT/GB2004/000906 and any U.S. and foreign application(s) corresponding thereto, and GB 0304908.7, referred to in this application is/are hereby incorporated by reference in this application.  NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.  CORRESPONDENCE ADDRESS  Direct all correspondence to:  Type Customer Number here  Telephone: (703) 816-4000  ARC:jsm  Coverage And Arc. 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.  Arthur R. Chawford  NAME  25,327  September 2, 2005														
d.														
e.	d. 🛛	• •		-			uplicate copy of the	113 101111 13 61	ncioseu.					
NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.  CORRESPONDENCE ADDRESS  Direct all correspondence to:  Type Customer Number here  Telephone: (703) 816-4000  ARC:jsm  Arthur R. Clawford  NAME  25,827  September 2, 2005	e. 🛛				•	•		•		eign application	(s) c	orresponding	thereto, ar	nd GB
filed and granted to restore the application to pending status.  CORRESPONDENCE ADDRESS  Direct all correspondence to:  Type Customer Number:  Type Customer Number here  Telephone: (703) 816-4000  ARC:jsm  Arthur R. Crawford  NAME  25,327  September 2, 2005														ne
Telephone: (703) 816-4000 ARC:jsm  Customer Number:  23117  Type Customer Number here  Arthur R. Clawford  NAME  25,927  September 2, 2005														
Customer Number:  Type Customer Number here  Telephone: (703) 816-4000  ARC:jsm  Arthur R. Clawford  NAME  25,827  September 2, 2005	CORRESPONDENCE ADDRESS													
Telephone: (703) 816-4000 ARC:jsm  Arthur R. Crawford NAME 25,327 September 2, 2005	Direct all				umbor		20117	$\neg$						
Telephone: (703) 816-4000 ARC:jsm  NAME  25,327 September 2, 2005			ustull	1161 14	ulline!		*		0.5					
ARC:jsm  25,327  September 2, 2005						Type Cu	stomer Number here	}	1					
ARC:jsm  25,327  September 2, 2005									1	1		20		
ARC:jsm  25,327  September 2, 2005	Tolonh	20. (700)	016 400	10				-	76/10	//Luc		- 1.41	789	
25,827 September 2, 2005		•	010-400	U						ANTIOIU	-			
	TI IO'JOIII	t											0000	
	REGISTRATION NUMBER											, 2005		